

Gm1 promoter and use thereof - Nucleotide result

1/2 ページ

Nucleotide

Alphabet of Life

“Exhibit A”

Display Settings: GenBank

Gm1 promoter and use thereof

GenBank DD249890.1

FASTA Graphics

Comment Features Sequence

LOCUS DD249890 3871 bp DNA linear PAT 18-MAY-2006

DEFINITION Gm1 promoter and use thereof.

ACCESSION DD249890

VERSION DD249890.1 GI:99025749

KEYWORDS WO 2005108574-A/1. ← identical to SEQ ID No:1 of 10/593,216

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Sciurognathi; Muroidea; Muridae; Murinae; Mus; Mus.

REFERENCE 1 (bases 1 to 3871)

AUTHORS Oeda, K. and Takahashi, Y.

TITLE Gm1 promoter and use thereof

JOURNAL Patent: WO 2005108574-A 1 17-NOV-2005;
SUMITOMO CHEMICAL COMPANY LIMITED

COMMENT OS Mouse
PN WO 2005108574-A/1
PD 17-NOV-2005
PF 15-MAR-2005 WO 2005JP005077
PR 15-MAR-2004 JP 04P 072244
PI kenji oeda,yasuhiko takahashi
CC

FH Key Location/Qualifiers.

FEATURES
source Location/Qualifiers
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Gm1 promoter and use thereof - Nucleotide result

2/2 ページ

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①



GenCore version 6.3
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2009, 05:20:38 ; Search time 3986 Seconds
(without alignments)
98157.397 Million cell updates/sec

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Perfect score: 3871
Sequence: 1 gctagccccaatatatatat.....gcgctctcagggtgcgagctc 3871

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 87455243 seqs, 50535937365 residues

Total number of hits satisfying chosen parameters: 174910486

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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SUMMARIES

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2	588	15.2	589	20	AZ304757		AZ304757 IM0004O24
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c 4	364.4	9.4	755	26	DH617701		DH617701 Rattus no
c 5	261.4	6.8	475	1	AI834890		AI834890 UI-M-AN1-
c 6	260	6.7	472	2	AW494798		AW494798 UI-M-BH3-
c 7	182.4	4.7	719	5	BU709003		BU709003 UI-M-EW0-
c 8	182	4.7	682	20	AZ957718		AZ957718 2M0224L10

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c 12	177.6	4.6	652	20	AZ461261	AZ461261 1M0267K06
c 13	176.6	4.6	445	26	EF907283	EF907283 Mus muscu
14	176.2	4.6	584	26	CR207502	CR207502 Reverse s
c 15	175.4	4.5	748	26	CR257483	CR257483 Forward s
16	175.2	4.5	683	20	AZ973110	AZ973110 2M0247P11
c 17	175.2	4.5	738	20	AZ855918	AZ855918 2M0160I09
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21	170.6	4.4	661	20	AZ104082	AZ104082 RPCI-23-3
c 22	170.6	4.4	775	26	CR158875	CR158875 Forward s
c 23	169	4.4	857	26	CR239316	CR239316 Forward s
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c 25	166.2	4.3	609	2	BB642821	BB642821 BB642821
c 26	165.8	4.3	823	20	BH040357	BH040357 RPCI-24-3
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28	163	4.2	751	25	AG606312	AG606312 Mus muscu
29	163	4.2	1003	11	DV058930	DV058930 MONTH14_0
30	162.4	4.2	752	25	AG535607	AG535607 Mus muscu
c 31	162.4	4.2	958	5	BQ938645	BQ938645 AGENCOURT
c 32	162	4.2	457	7	CJ160607	CJ160607 CJ160607
33	160.2	4.1	810	25	BX961826	BX961826 Forward s
c 34	159.4	4.1	547	20	AZ810323	AZ810323 2M0074I18
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c 36	159.2	4.1	524	8	CN682792	CN682792 E0169F06-
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c 38	159	4.1	535	26	EF948816	EF948816 Mus muscu
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44	158.4	4.1	633	20	AZ970507	AZ970507 2M0243J11
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ALIGNMENTS

RESULT 1

AZ660697

LOCUS

AZ660697 649 bp DNA linear GSS 14-DEC-2000

DEFINITION

1M0538K24R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0538K24 R, genomic survey sequence.

ACCESSION

AZ660697

VERSION

AZ660697.1 GI:11797843

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 649)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

Unpublished (2000)

COMMENT

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0538 row: K column: 24

Seq primer: CACACAGGAAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 649.

FEATURES
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/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 16.8%; Score 649; DB 20; Length 649;
Best Local Similarity 100.0%;
Matches 649; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 989 GCATGGGCATGATCTCATAGTGACTTTTATGTTGAAGGCACTACTTGTGCTCCTTCAAGA 1048
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Db 121 CTCTTGTCATAGATAGAGTATGGTCGTTACTCCAAAGAAACCAAAACACTAAAATTA 180
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Qy 1349 AGAGCAACCAGAGGTCCTGTATTCAATTCCCAGCAACCACATGATGGCTCACAACCTGTA 1408
Db 421 AGAGCAACCAGAGGTCCTGTATTCAATTCCCAGCAACCACATGATGGCTCACAACCTGTA 480

← SEQ ID NO: 1

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Qy 1529 ATGACCTTGGTGAAGAAGGGGCCAGCTTCAAAAATTGTGCTCTGAAC 1577
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Db 601 ATGACCTTGGTGAAGAAGGGGCCAGCTTCAAAAATTGTGCTCTGAAC 649

RESULT 2

AZ304757

LOCUS AZ304757 589 bp DNA linear GSS 29-SEP-2000

DEFINITION lM0004024R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0004024 R, genomic survey sequence.

ACCESSION AZ304757

VERSION AZ304757.1 GI:10341090

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 589)

AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)

COMMENT Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0004 row: 0 column: 24

Seq primer: CACACAGGAAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 589.

FEATURES

source

Location/Qualifiers

1. .589

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

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/clone="UUGC1M0004024"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: FWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA

was blunt end-repaired with T4 DNA polymerase and T4

polynucleotide kinase. Adaptor oligonucleotides were

ligated to the blunt ends in high molar excess. The

adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative

of pWD42 (gi|4732114|gb|AF129072.1), a copy-number